

# Inventory Management System

*Team : RU\_MRS*



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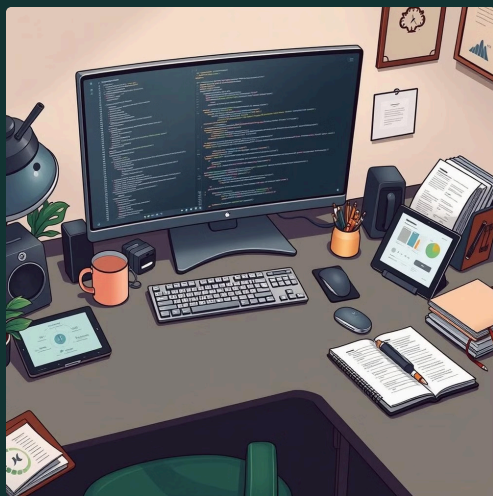
Our Mission & Vision



Addressing the Challenges & Our Solution



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# MEET OUR TEAM



(Team leader)  
Reday Chandra Shill  
Role: Backend



(Member 1)  
Sontosh Kumar Shil  
Role: Frontend



(Member 2)  
Abdul Kader Zilani  
Moududi  
Role: Backend

# ABOUT US

We are fresh graduate students(graduated at Dec ,2024) of University of Rajshahi , department of Information and Communication Engineering(ICE). Past we develop some project for our final year project and Web Engineering Lab course. Two project are :

## CLASS ROUTINE MANAGEMENT SYSTEM

A web-based solution for managing class schedules and resources(web engineering lab)

## HOSTEL SEARCHING AND BOOKING SYSTEM

A MERN stack project, facilitating hostel searching according to location, rent , other utilities and booking for helping students.

# OUR MISSION & VISION

## Mission

To provide an easy-to-use, affordable inventory management system tailored for small businesses.

## Vision

To become the go-to solution for inventory management, helping businesses grow without operational hurdles.



# PROBLEMS

1

## Manual Stock Management

Time-consuming, error-prone.

2

## Stock Shortages

Missed sales opportunities.

3

## Lack of Insights

Difficulty analyzing sales trends and value.

4

## Affordability

High costs for small businesses.

5

## No Automated Alerts for Low Stock

business owners may fail to notice when stock levels are running low, leading to stock outs.

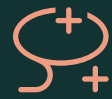
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## Inadequate Security

Manual systems or basic digital solutions (like shared spreadsheets) do not offer secure ways to manage sensitive data.



# OUR SOLUTION



## Automation

Automated tracking and alerts.



## Real-time Updates

Stay informed about stock levels anytime, anywhere.



## Actionable Insights

Make data-driven decisions with reports.



## Affordable Pricing

Designed for small business budgets.



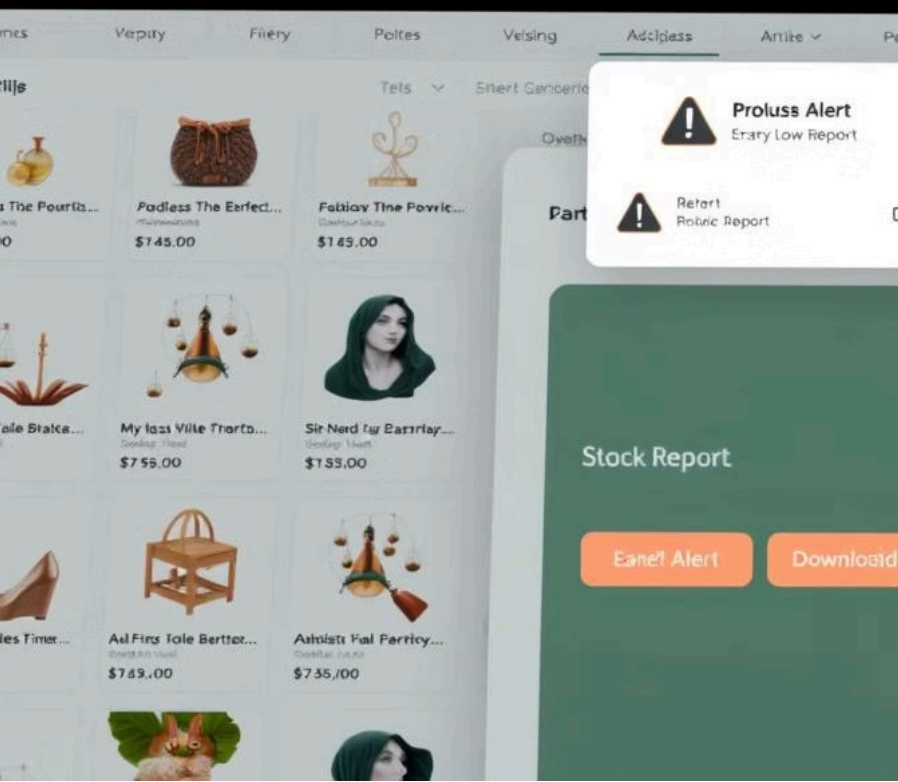
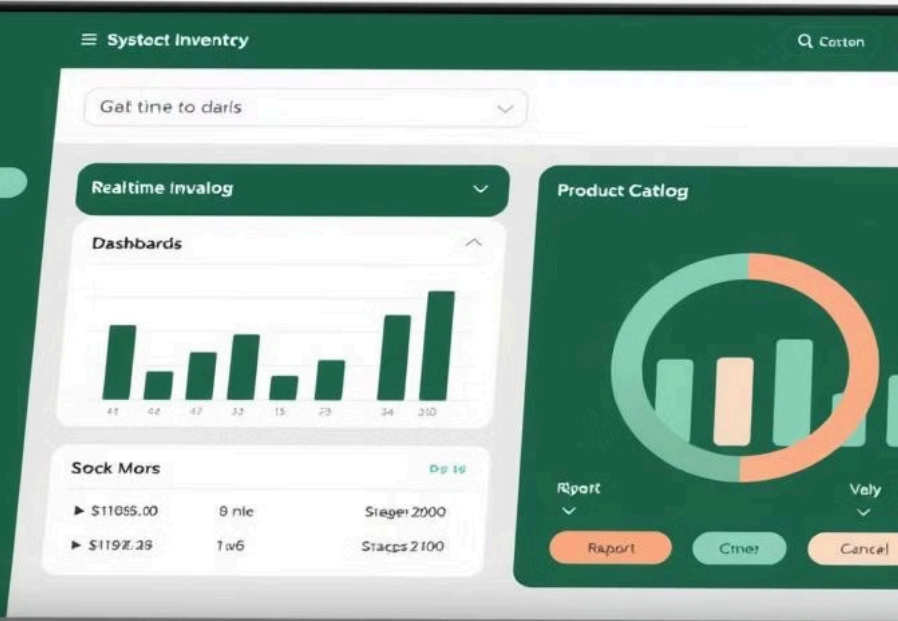
## Security

Implement secure user authentication and store data in SQLite.








## Scalability

Design a scalable solution suitable for growing businesses.



# KEY FEATURES

Feature	Description
 <b>User Authentication</b>	Secure login and registration for managing inventory.
 <b>Inventory Tracking</b>	Add, update, and delete inventory items with details.
 <b>Stock Alerts</b>	Notify users when stock for any item falls below a predefined threshold.
 <b>Reports &amp; Insights</b>	Generate reports on current inventory, sales trends, and stock value.
 <b>Data Storage</b>	Use SQLite to store inventory and user data securely and efficiently.



# TECK STACK AND DEVELOPMENT WORKFLOW

## Tech Stack

Frontend: HTML, CSS, JavaScript(React)

Backend: Python (Django)

Database: SQLite

Version Control: GitHub

## Development Workflow

1. Planning: Define requirements and milestones.
2. Design: Create wireframes and UI mockups.
3. Development: Build frontend, backend, and database integration.
4. Testing: Conduct unit and system testing.
5. Deployment: Launch the system for users with ongoing support and updates.

# THANK YOU

Please feel free to ask any questions.